

**Partial translation of the references**

Reference 1, JP Patent Publication (Kokai) No. 55-085513 (1980)

Page 2, upper right column, lines 10-18:

Conventionally known toothpastes, aerosol dentifrices (those which use nitrogen gas for aerosolization, and are used by jetting from a container), and foaming dentifrices (aerosolized with a propellant having a boiling point of 20-36°C, in an ordinary toothpaste state when extruded from the container but foam by the temperature increase due to use in mouth< JP Patent Publication (Kokai) No. 48-013557 [cited reference 2]>) poorly disperse in water. In contrast, the foaming paste of the present invention has good dispersibility in water.

1980-57547C [33] Aerosol of mouth washing agent contg. abrasive, caking agent, viscosity contr...

AN 1980-57547C [33]  
TI Aerosol of mouth washing agent contg. abrasive, caking agent, viscosity controller, surfactant, water and propellant  
DC A96 D21  
PA (LIOY) LION DENTIFRICE  
(LIOY) LION DENTIFRICE CO LTD  
IN ICHIKAWA H; OIBE M; SEMA T  
NP 2  
NC 1  
JP55085513 A 19800627 DW1980-33 Jpn \*  
PN AP: 1978JP-0161424 19781225  
JP83040927 B 19830908 DW1983-40 Jpn  
PR 1978JP-0161424 19781225  
IC A61K-008/00; A61K-008/31; A61Q-011/00; A61K-008/30  
A61K-008/00 [2006-01 A F I R - -]  
ICAA A61K-008/31 [2006-01 A L I R - -]  
A61Q-011/00 [2006-01 A L I R - -]  
A61K-008/00 [2006 C F I R - -]  
ICCA A61K-008/30 [2006 C L I R - -]  
A61Q-011/00 [2006 C L I R - -]  
EC A61K-008/04F; A61Q-011/00  
JP55085513 A  
An aerosol of mouth washing agent (I), is prep'd. by packing the mixt. (II) with propellant (III) in a closed vessel, (II) contains abrasive (IV), caking agent (V), viscosity-controlling agent (VI), surfactant (VII) and water as principal components and has a viscosity 20-400 poise. (I) is used as dentifrice, gargle or mouth washing agent. (III) are cpds. having b.pts. of -120 to 5 degrees C, esp. carbon dioxide and hydrocarbon (IV) is Ca carbonate; Mg carbonate, Ca hydrogen phosphate, crystalline silica, etc. (V) is PVA, methyl cellulose, alginate, etc. (VI) is polyethylene glycol, sorbitol, glycerol, propylene glycol, etc. (VII) is sodium lauryl sulphate, N-acyl glutamate, sodium dodecyl benzene sulphonate, etc. The contents of (IV), (V), (VI) and (VII) in (II) are 10-45 wt. %, 0.2-5 wt. %, 5-30 wt. %, and 0.5-5 wt. %, respectively. The volume of (I) should expand as much as 1.5-6 times of the original volume in a vessel.  
AB carbon dioxide and hydrocarbon (IV) is Ca carbonate; Mg carbonate, Ca hydrogen phosphate, crystalline silica, etc. (V) is PVA, methyl cellulose, alginate, etc. (VI) is polyethylene glycol, sorbitol, glycerol, propylene glycol, etc. (VII) is sodium lauryl sulphate, N-acyl glutamate, sodium dodecyl benzene sulphonate, etc. The contents of (IV), (V), (VI) and (VII) in (II) are 10-45 wt. %, 0.2-5 wt. %, 5-30 wt. %, and 0.5-5 wt. %, respectively. The volume of (I) should expand as much as 1.5-6 times of the original volume in a vessel.  
MC CPI: A12-V04 D08-B08  
UP 1980-33  
UE 1983-40